

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
 Data File : BG061487.D
 Acq On : 5 Jun 2024 15:11
 Operator : MA/JU
 Sample : P2626-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBR8

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024

Quant Time: Jun 05 16:17:28 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 30 22:54:48 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.871	152	28225	20.000	ng/u1	0.00
20) Naphthalene-d8	10.668	136	117317	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.510	164	79631	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.266	188	181782	20.000	ng/u1	0.00
79) Chrysene-d12	21.519	240	194329	20.000	ng/u1	0.00
88) Perylene-d12	24.616	264	223696	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.329	96	2771	5.494	ng/uL	0.00
4) Pyridine-d5	3.740	84	31699	17.667	ng/u1	0.00
7) Phenol-d5	7.066	99	68234	29.438	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.207	67	42049	28.863	ng/u1	0.00
11) 2-Chlorophenol-d4	7.412	132	55019	32.074	ng/u1	0.00
15) 4-Methylphenol-d8	8.593	113	58830	29.766	ng/u1	0.00
21) Nitrobenzene-d5	9.034	128	27829	30.810	ng/u1	0.00
24) 2-Nitrophenol-d4	9.757	143	32386	30.636	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.309	165	65195	31.634	ng/u1	0.00
31) 4-Chloroaniline-d4	10.809	131	66490	24.661	ng/u1	0.00
46) Dimethylphthalate-d6	13.917	166	188609	30.539	ng/u1	0.00
49) Acenaphthylene-d8	14.205	160	208519	32.476	ng/u1	0.00
54) 4-Nitrophenol-d4	14.763	143	18094m	23.697	ng/u1	0.03
60) Fluorene-d10	15.509	176	168111	31.528	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.656	200	23725	21.579	ng/u1	0.02
73) Anthracene-d10	17.360	188	263439	32.871	ng/u1	0.00
81) Pyrene-d10	19.657	212	312016	31.271	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.404	264	347362	32.300	ng/u1	0.02
Target Compounds					Qvalue	
56) Dibenzofuran	14.915	168	6972	1.044	ng/u1	97
61) Fluorene	15.562	166	7164	1.240	ng/u1	97
72) Phenanthrene	17.307	178	146046	16.553	ng/u1	100
74) Anthracene	17.395	178	30531	3.347	ng/u1	98
77) Carbazole	17.671	167	12697	1.711	ng/u1#	90
80) Fluoranthene	19.322	202	239198	19.983	ng/u1	100
82) Pyrene	19.686	202	192091	15.460	ng/u1	99
85) Benzo(a)anthracene	21.502	228	122186	9.112	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.408	149	16012	2.534	ng/u1#	95
87) Chrysene	21.566	228	114537	9.277	ng/u1	97
90) Benzo(b)fluoranthene	23.641	252	138888	10.428	ng/u1#	97
91) Benzo(k)fluoranthene	23.699	252	55470m	4.103	ng/u1	
93) Benzo(a)pyrene	24.469	252	95026	7.514	ng/u1	94
94) Indeno(1,2,3-cd)pyrene	28.118	276	61595m	4.027	ng/u1	
95) Dibenzo(a,h)anthracene	28.159	278	16134	1.279	ng/u1#	83
96) Benzo(g,h,i)perylene	29.222	276	54100m	4.446	ng/u1	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

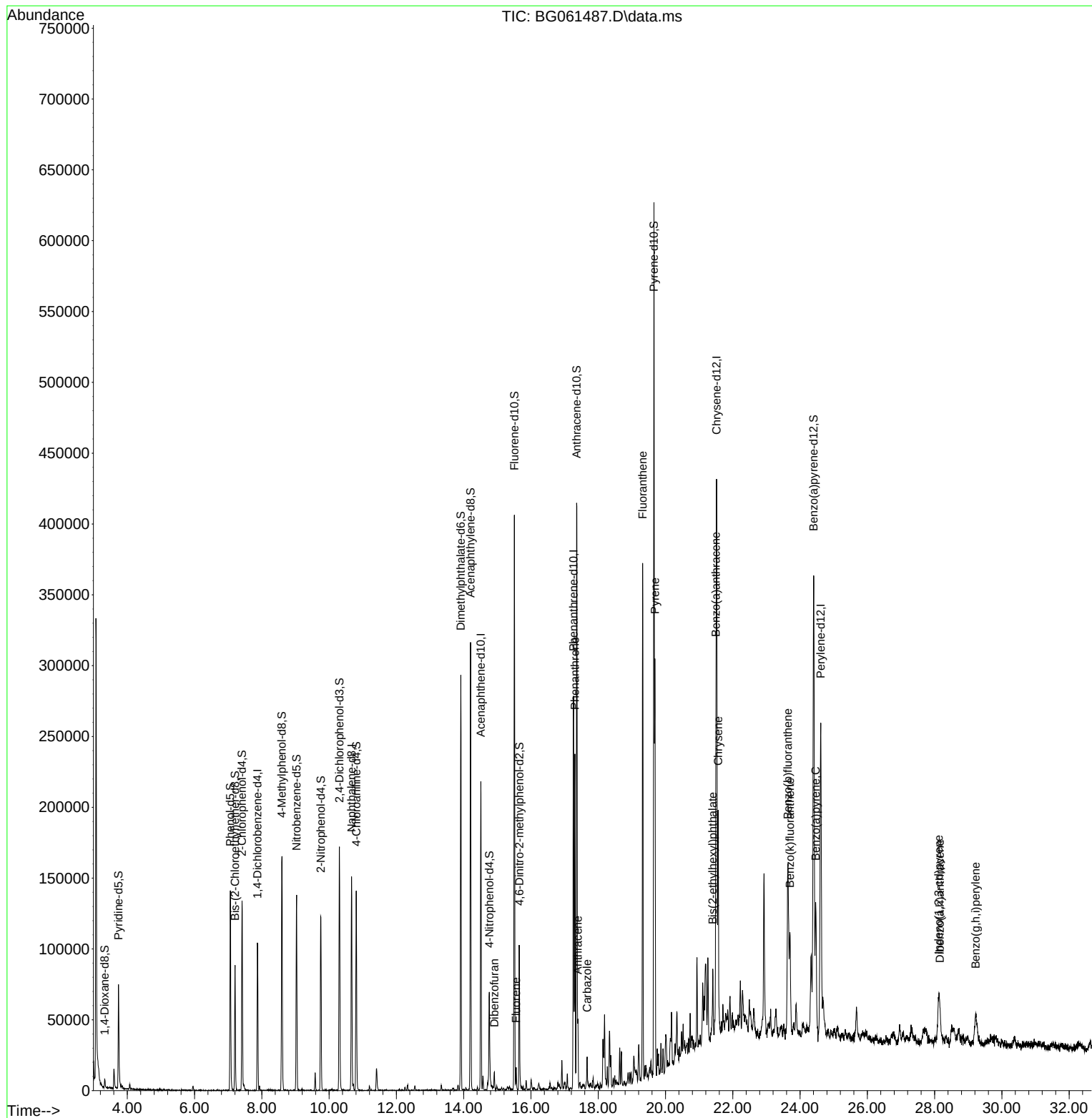
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
 Data File : BG061487.D
 Acq On : 5 Jun 2024 15:11
 Operator : MA/JU
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 ALS Vial : 4 Sample Multiplier: 1

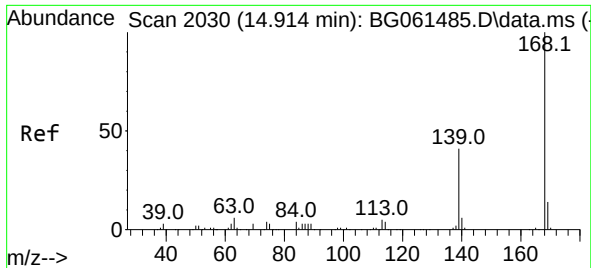
Instrument :
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Quant Time: Jun 05 16:17:28 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
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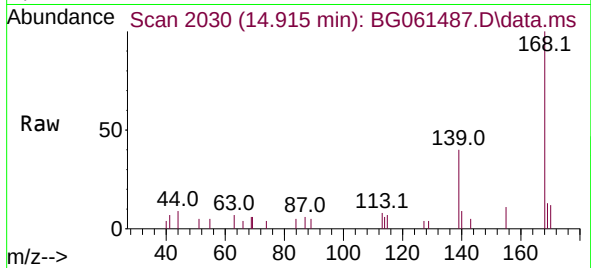
Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024





#56
Dibenzenofuran
Concen: 1.044 ng/ul
RT: 14.915 min Scan# 2030
Delta R.T. 0.007 min
Lab File: BG061487.D
Acq: 5 Jun 2024 15:11

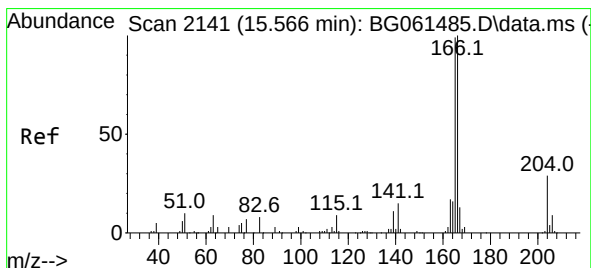
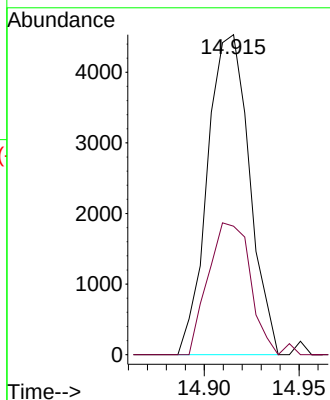
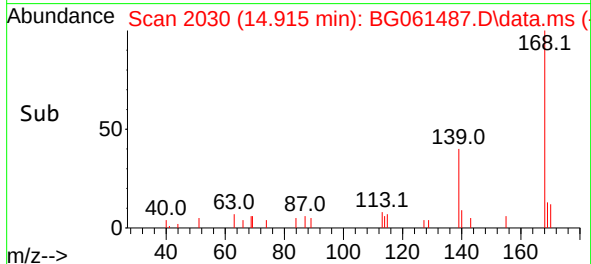
Instrument :
BNA_G
ClientSampleId :
BHBR8



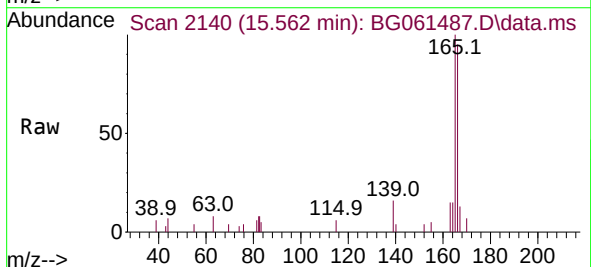
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Ion Ratio Lower Upper
168 100
139 40.2 33.4 50.2

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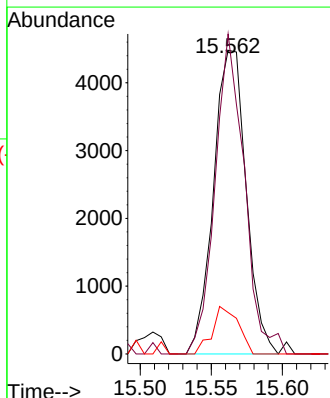
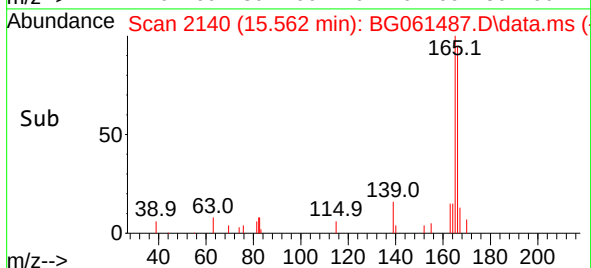
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

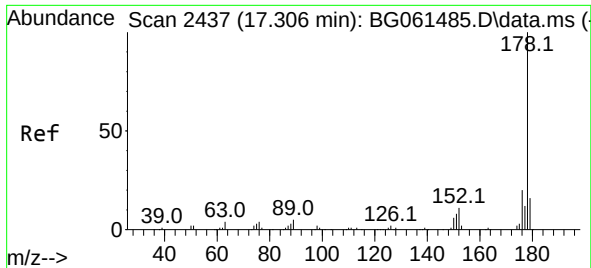


#61
Fluorene
Concen: 1.240 ng/ul
RT: 15.562 min Scan# 2140
Delta R.T. 0.002 min
Lab File: BG061487.D
Acq: 5 Jun 2024 15:11



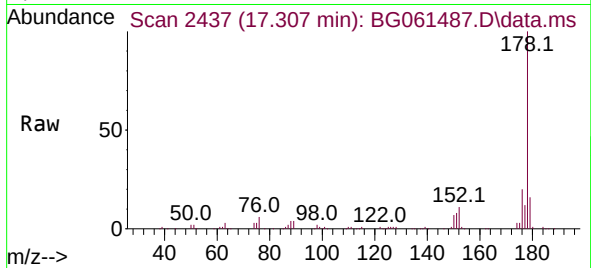
Tgt Ion:166 Resp: 7164
Ion Ratio Lower Upper
166 100
165 105.4 81.8 122.8
167 13.7 10.6 16.0





#72
Phenanthrene
Concen: 16.553 ng/u1
RT: 17.307 min Scan# 2437
Delta R.T. 0.007 min
Lab File: BG061487.D
Acq: 5 Jun 2024 15:11

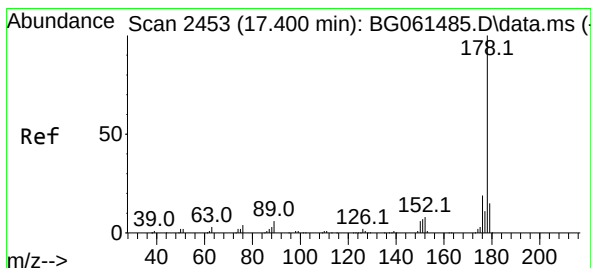
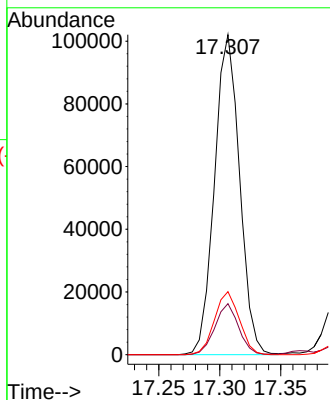
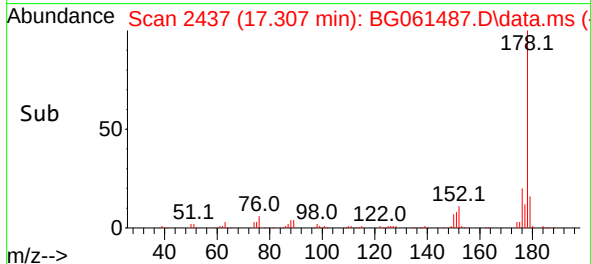
Instrument :
BNA_G
ClientSampleId :
BHBR8



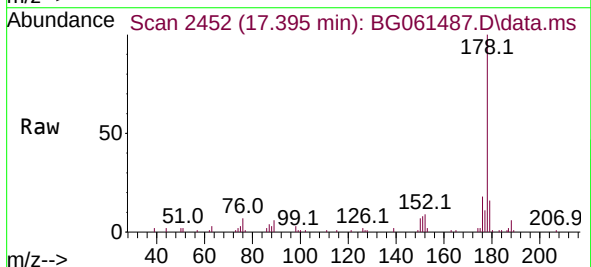
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Ion Ratio Lower Upper
178 100
179 16.0 12.7 19.1
176 19.7 15.5 23.3

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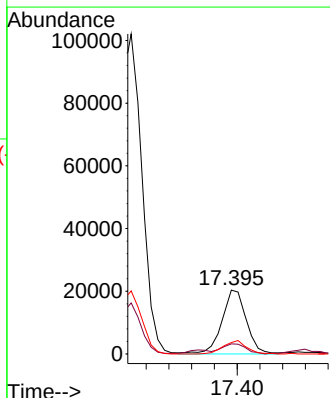
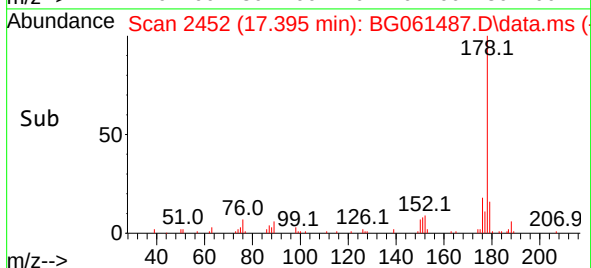
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

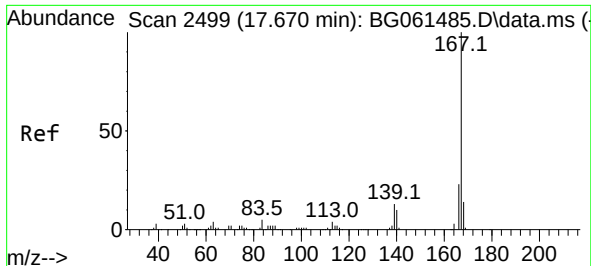


#74
Anthracene
Concen: 3.347 ng/u1
RT: 17.395 min Scan# 2452
Delta R.T. 0.002 min
Lab File: BG061487.D
Acq: 5 Jun 2024 15:11



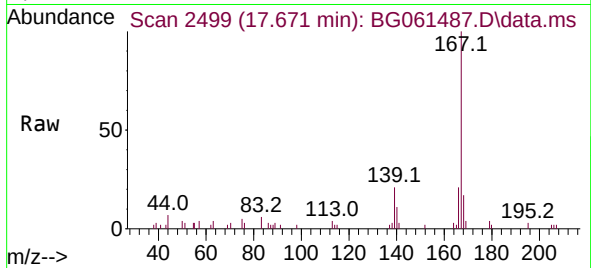
Tgt Ion:178 Resp: 30531
Ion Ratio Lower Upper
178 100
179 15.8 11.8 17.6
176 17.9 14.9 22.3





#77
 Carbazole
 Concen: 1.711 ng/ul
 RT: 17.671 min Scan# 2499
 Delta R.T. 0.007 min
 Lab File: BG061487.D
 Acq: 5 Jun 2024 15:11

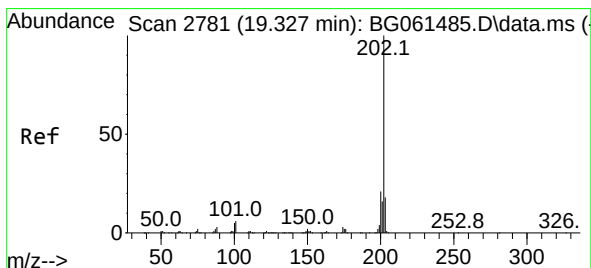
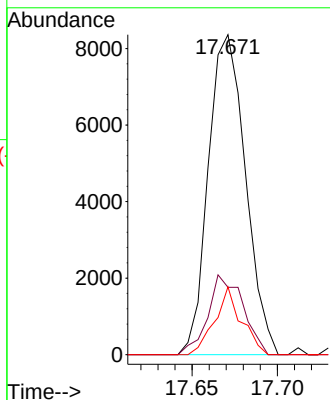
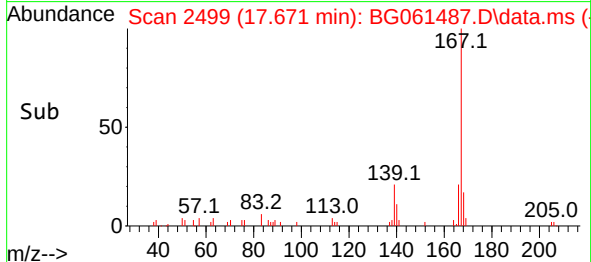
Instrument :
 BNA_G
 ClientSampleId :
 BHBR8



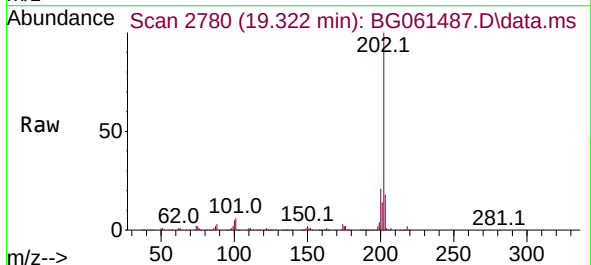
Tgt Ion:167 Resp: 1269
 Ion Ratio Lower Upper
 167 100
 166 21.1 18.6 28.0
 139 21.2 10.6 15.8

Manual Integrations
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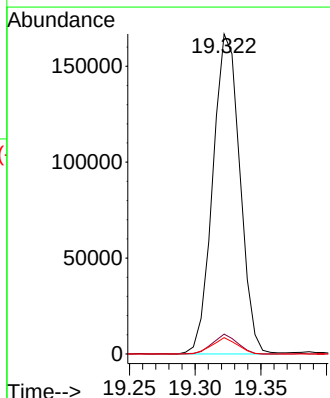
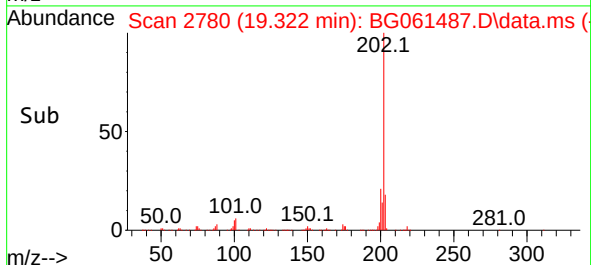
Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024

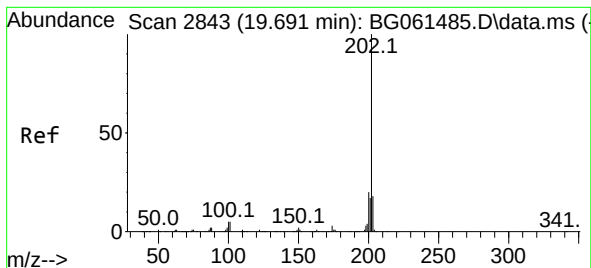


#80
 Fluoranthene
 Concen: 19.983 ng/ul
 RT: 19.322 min Scan# 2780
 Delta R.T. 0.007 min
 Lab File: BG061487.D
 Acq: 5 Jun 2024 15:11



Tgt Ion:202 Resp: 239198
 Ion Ratio Lower Upper
 202 100
 101 6.2 4.8 7.2
 100 5.1 4.1 6.1





#82

Pyrene

Concen: 15.460 ng/ul

RT: 19.686 min Scan# 21

Delta R.T. 0.007 min

Lab File: BG061487.D

Acq: 5 Jun 2024 15:11

Instrument :

BNA_G

ClientSampleId :

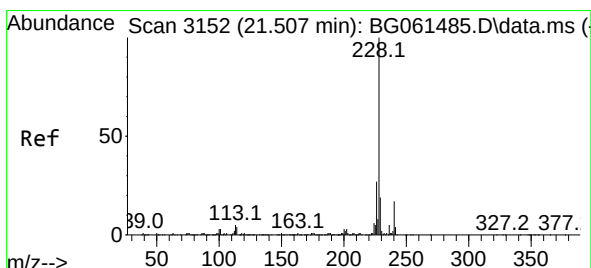
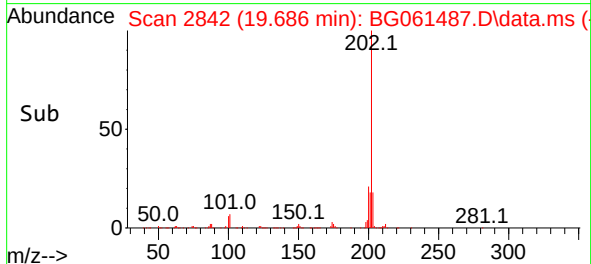
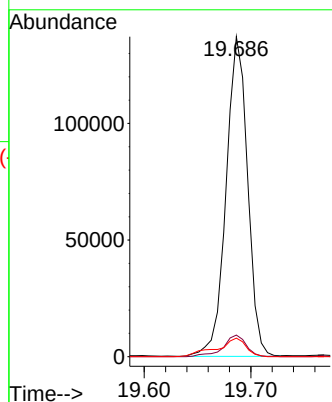
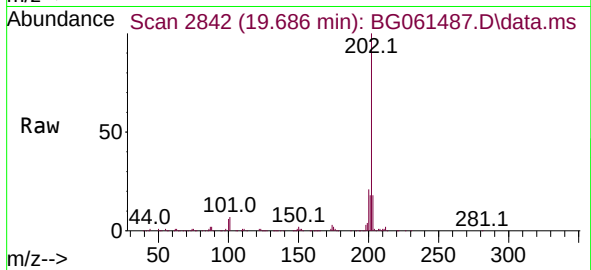
BHBR8

Tgt Ion:202 Resp: 19209
 Ion Ratio Lower Upper
 202 100
 101 6.8 5.7 8.5
 100 5.8 5.1 7.7

Manual Integrations

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#85

Benzo(a)anthracene

Concen: 9.112 ng/ul

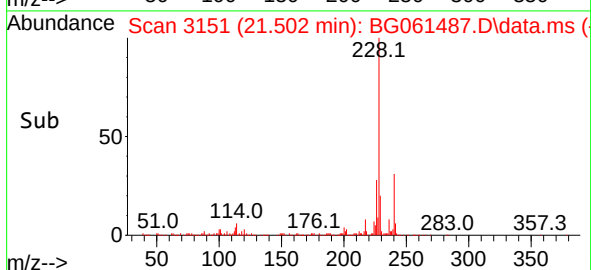
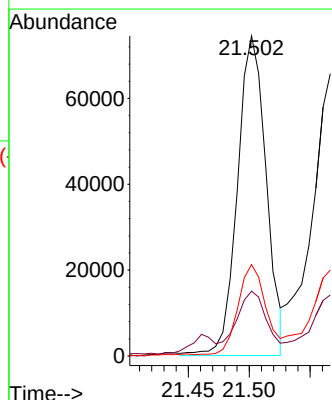
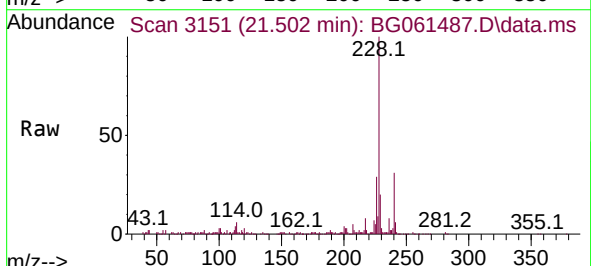
RT: 21.502 min Scan# 3151

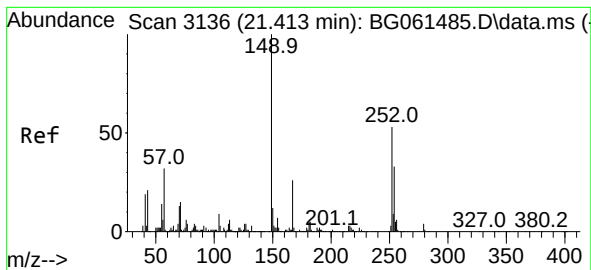
Delta R.T. 0.007 min

Lab File: BG061487.D

Acq: 5 Jun 2024 15:11

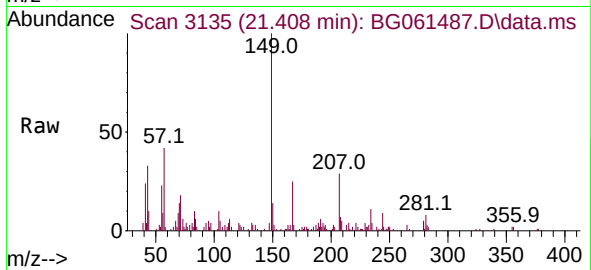
Tgt Ion:228 Resp: 122186
 Ion Ratio Lower Upper
 228 100
 229 20.3 15.2 22.8
 226 28.5 21.4 32.2





#86
 Bis(2-ethylhexyl)phthalate
 Concen: 2.534 ng/ul
 RT: 21.408 min Scan# 3135
 Delta R.T. 0.002 min
 Lab File: BG061487.D
 Acq: 5 Jun 2024 15:11

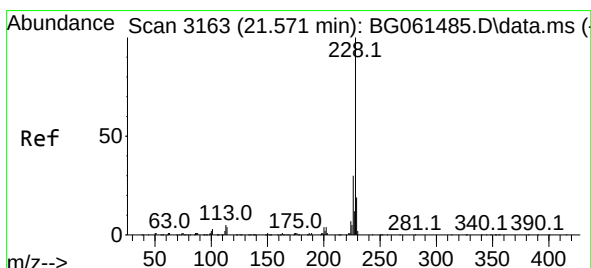
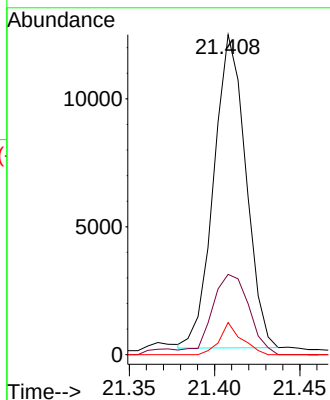
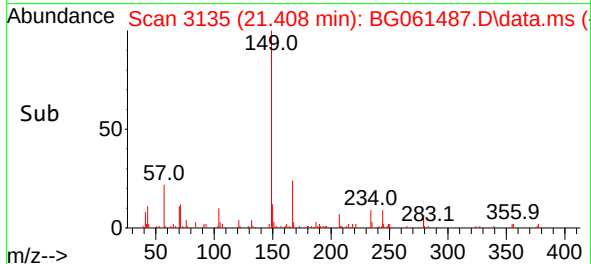
Instrument :
 BNA_G
 ClientSampleId :
 BHBR8



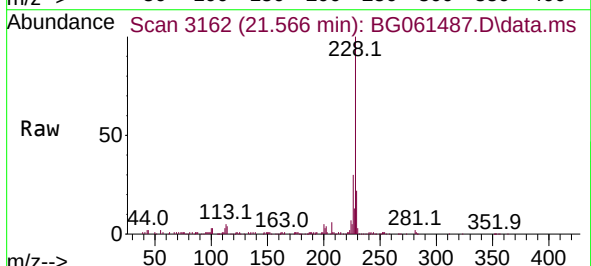
Tgt Ion:149 Resp: 1601
 Ion Ratio Lower Upper
 149 100
 167 25.1 21.1 31.7
 279 10.1 3.3 4.9

Manual Integrations
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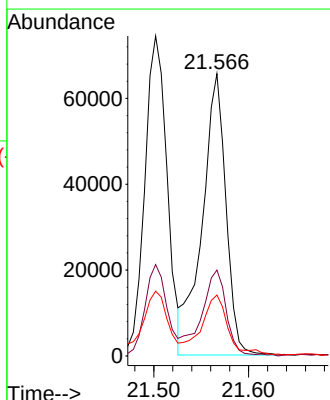
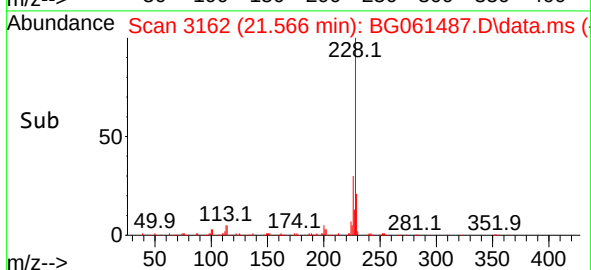
Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024

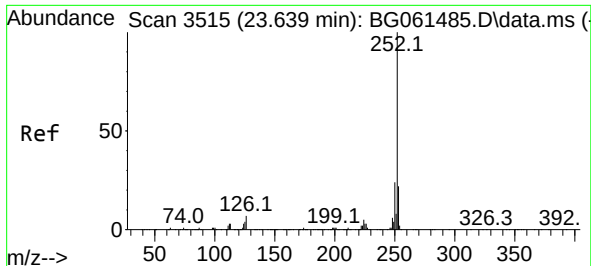


#87
 Chrysene
 Concen: 9.277 ng/ul
 RT: 21.566 min Scan# 3162
 Delta R.T. 0.013 min
 Lab File: BG061487.D
 Acq: 5 Jun 2024 15:11



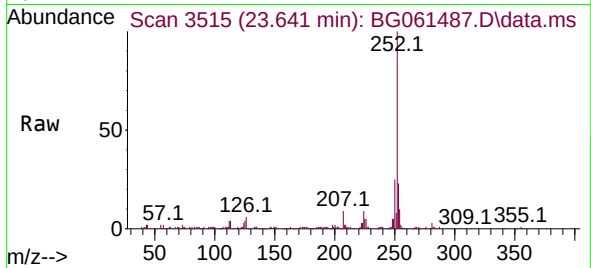
Tgt Ion:228 Resp: 114537
 Ion Ratio Lower Upper
 228 100
 226 30.4 23.4 35.0
 229 21.6 15.4 23.2





#90
Benzo(b)fluoranthene
Concen: 10.428 ng/ul
RT: 23.641 min Scan# 3515
Delta R.T. 0.025 min
Lab File: BG061487.D
Acq: 5 Jun 2024 15:11

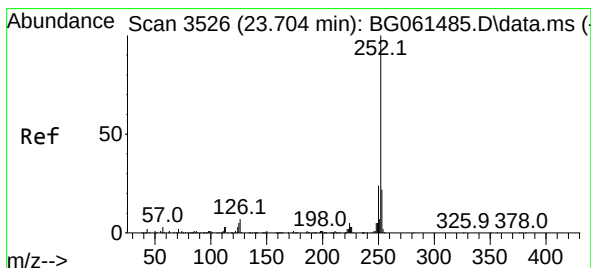
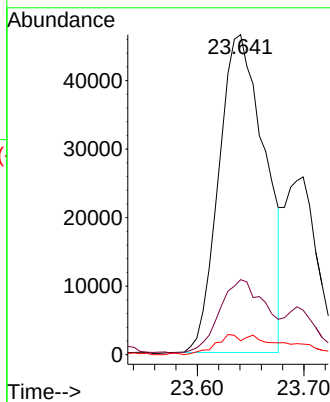
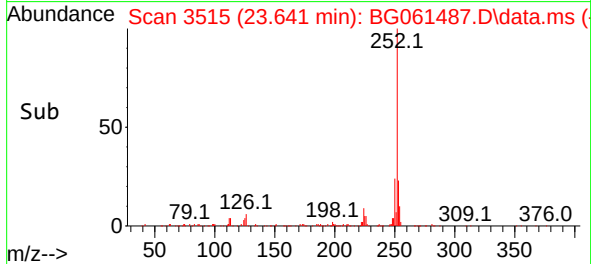
Instrument :
BNA_G
ClientSampleId :
BHBR8



Tgt Ion:252 Resp: 13888
Ion Ratio Lower Upper
252 100
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125 4.4 4.6 6.8

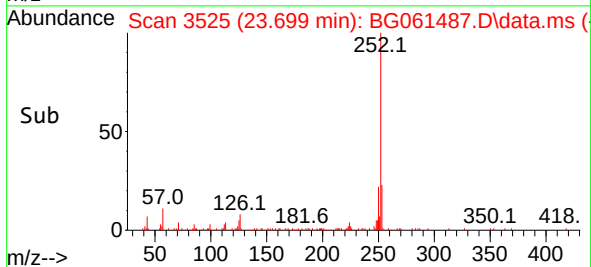
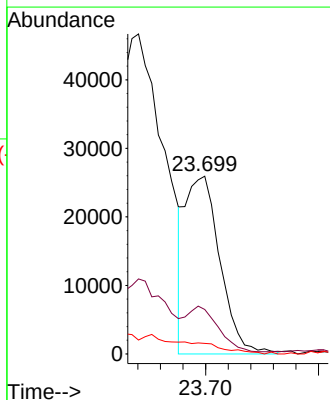
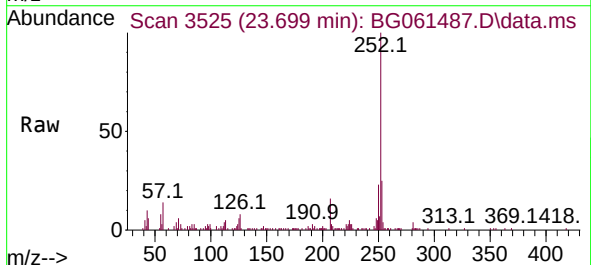
Manual Integrations
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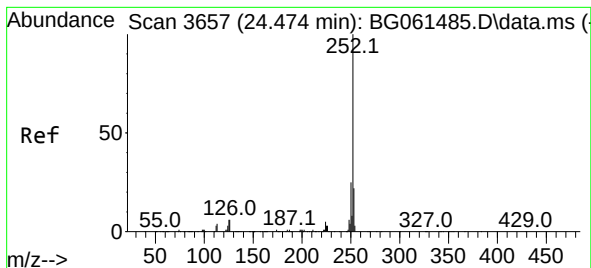
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#91
Benzo(k)fluoranthene
Concen: 4.103 ng/ul m
RT: 23.699 min Scan# 3525
Delta R.T. 0.019 min
Lab File: BG061487.D
Acq: 5 Jun 2024 15:11

Tgt Ion:252 Resp: 55470
Ion Ratio Lower Upper
252 100
253 25.0 16.0 24.0#
125 5.9 4.3 6.5





#93

Benzo(a)pyrene

Concen: 7.514 ng/ul

RT: 24.469 min Scan# 30

Delta R.T. 0.019 min

Lab File: BG061487.D

Acq: 5 Jun 2024 15:11

Instrument :

BNA_G

ClientSampleId :

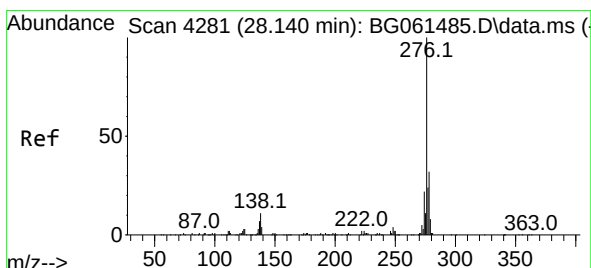
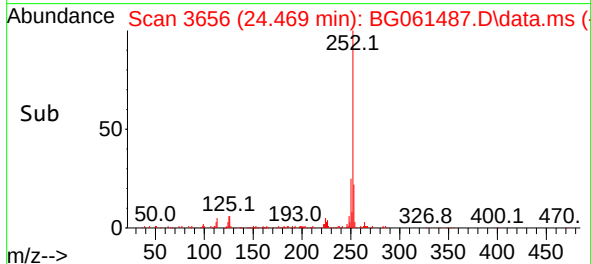
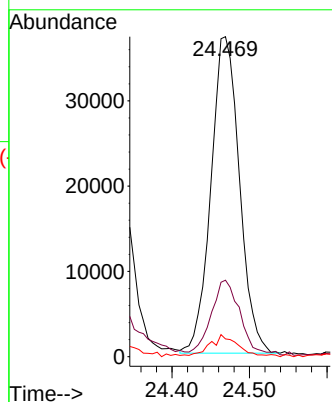
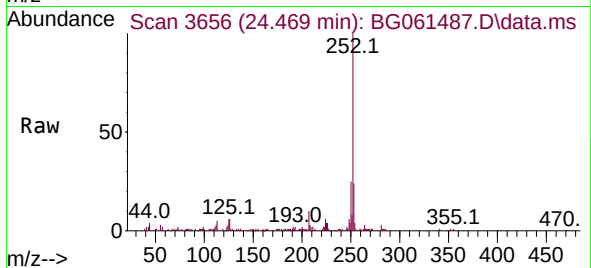
BHBR8

Tgt Ion:	252	Resp:	95020
Ion Ratio	Lower	Upper	
252	100		
253	23.9	16.4	24.6
125	5.6	4.3	6.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 4.027 ng/ul m

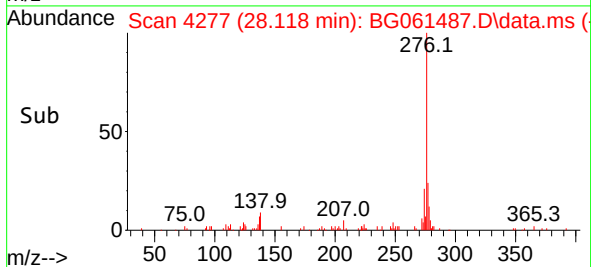
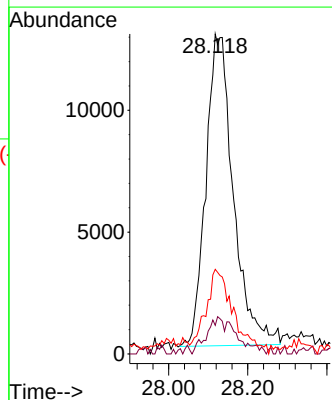
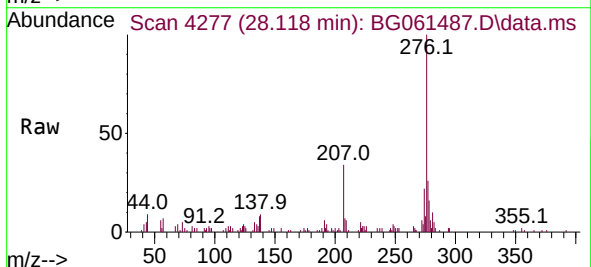
RT: 28.118 min Scan# 4277

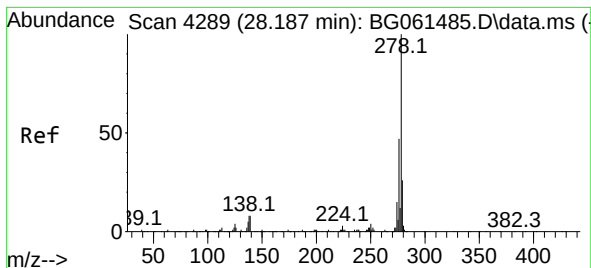
Delta R.T. 0.025 min

Lab File: BG061487.D

Acq: 5 Jun 2024 15:11

Tgt Ion:	276	Resp:	61595
Ion Ratio	Lower	Upper	
276	100		
138	9.0	8.6	13.0
277	26.5	19.7	29.5





#95

Dibenzo(a,h)anthracene

Concen: 1.279 ng/ul

RT: 28.159 min Scan# 4284

Delta R.T. 0.019 min

Lab File: BG061487.D

Acq: 5 Jun 2024 15:11

Instrument :

BNA_G

ClientSampleId :

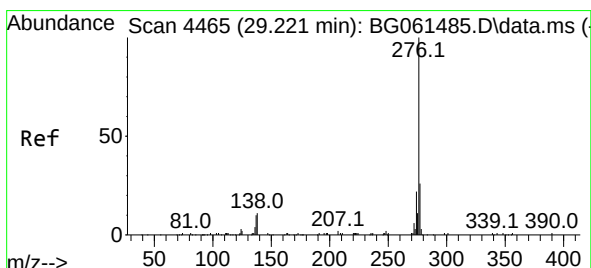
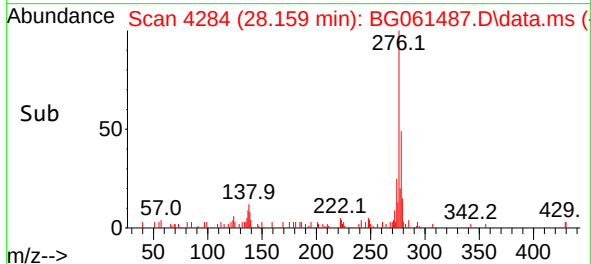
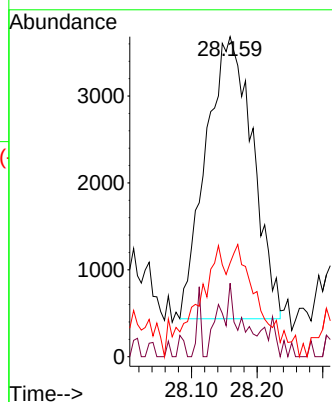
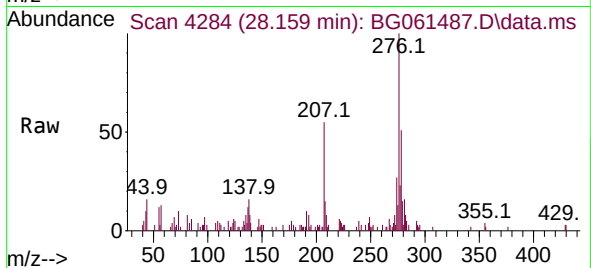
BHBR8

Tgt Ion:	278	Resp:	16134
Ion Ratio	Lower	Upper	
278	100		
139	22.9	6.4	9.6
279	29.3	19.9	29.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#96

Benzo(g,h,i)perylene

Concen: 4.446 ng/ul m

RT: 29.222 min Scan# 4465

Delta R.T. 0.049 min

Lab File: BG061487.D

Acq: 5 Jun 2024 15:11

Tgt Ion:	276	Resp:	54100
Ion Ratio	Lower	Upper	
276	100		
138	8.4	8.7	13.1
277	23.4	18.2	27.2

